

ABSTRACT

A factory-settable optical subassembly (10) used in an optical transceiver module includes an optoelectronic converter (20), a top can (30), and a positioning element (40). The optoelectronic converter includes a housing (24) having an opening (243) for passage of light and a lens (211) for focusing light. The top can has a first through hole (34) and a coaxial second through hole (35) in communication with each other. The positioning element has a third through hole (41) and can be moved linearly to a desired position within the second through hole, where it is permanently fixed. An optical ferrule (50) can then be inserted through the first through hole and into the second through hole until it abuts the positioning element. An end of the optical ferrule is thereby located at a focal position for a selected wavelength of light emanated from the optoelectronic converter, given the characteristics of the lens.